

CLAIMS

What is claimed is:

1. (Currently Amended) A drug delivery system comprising
a pad;
a container; and
a liquid composition, wherein the composition comprises an effective amount of one or more insoluble dermatologically active ingredients in an emulsion and the composition has a viscosity which is low enough for the composition to substantially uniformly absorb onto the pad via capillary ~~action and~~ action, and high enough to be substantially retained on the pad not pad, not the container.
2. (Original) The system of claim 1 wherein the viscosity is effective to substantially uniformly deliver the composition to skin when the pad is wiped on the skin.
3. (Original) The system of claim 1 wherein the active ingredient comprises benzoyl peroxide.
4. (Original) The system of claim 3 wherein the benzoyl peroxide comprises particles of less than about 50 microns.
5. (Original) The system of claim 1 wherein the active ingredient comprises particles of about 10 to about 150 microns.
6. (Original) The system of claim 2 wherein the composition is an oil-in-water emulsion.
7. (Original) The system of claim 2 wherein the composition is a water-in-oil emulsion.
8. (Original) The system of claim 2 wherein the composition has a viscosity of about 500 to about 9000 cps measured on a Brookfield viscometer LVT model at about 27°C for 60 seconds and a spindle set for 30 rpm.

9. (Original) The system of claim 2 wherein the composition has a viscosity of about 2000 cps to about 3000 cps measured on a Brookfield viscometer LVT model at about 27°C for 60 seconds and a spindle set for 30 rpm.
10. (Original) The system of claim 2 wherein the composition has a viscosity of about 500 to about 10,000 cps measured on a Brookfield viscometer RVT model with spindle #4 at 20 rpm for 60 seconds at 25°C+/-1°C.
11. (Original) The system of claim 2 wherein the composition has a viscosity of about 1900 to about 7,000 cps measured on a Brookfield viscometer RVT model with spindle #4 at 20 rpm for 60 seconds at 25°C+/-1°C.
12. (Original) The system of claim 2 wherein the composition has a viscosity of about 4500 to about 6,500 cps measured on a Brookfield viscometer RVT model with spindle #4 at 20 rpm for 60 seconds at 25°C+/-1°C.
13. (Original) The system of claim 1 wherein the pad comprises one or more woven materials.
14. (Original) The system of claim 1 wherein the pad comprises one or more non-woven materials.
15. (Original) The system of claim 1 wherein the container comprises a material comprised of metal substantially coated with one or more plastics on at least one surface, and one sheet of the material is heat sealed to a second sheet of the material, and the heat sealed materials contain the pad and the composition without leaking.
16. (Original) The system of claim 1 wherein the active ingredient comprises one or more antifungals.

17. (Original) The system of claim 1 wherein the active ingredient comprises one or more of the group consisting of prodrugs, cosmeceuticals, herbal medicines, traditional medicines, and cutaneously active cosmetic ingredients.

18. (Original) The system of claim 1 further comprising one or more soluble dermatologically active ingredients.

19. (Currently Amended) A drug delivery system comprising

a non-woven pad;

a liquid composition, wherein the composition comprises benzoyl peroxide, starch, carbomer, disodium EDTA, water, glycerin, sodium hydroxide, zinc lactate, glycolic acid, C12-C15 alkyl benzoate, cetearyl alcohol, dimethicone, glyceryl stearate and PEG 100 stearate, steareth 2, steareth 20, and polysorbate 20;

a sealed container, wherein the container comprises a material comprised of metal substantially coated with one or more plastics on at least one surface, and one sheet of the material is heat sealed to a second sheet of the material, and the heat sealed materials contain the pad and the composition without leaking; and

wherein the composition has a viscosity which is low enough for the composition to substantially uniformly absorb onto the pad via capillary ~~action and~~ action, and high enough to be substantially retained on the ~~pad not pad~~, not the container.

20. (Canceled)

21. (New) The system of claim 19 wherein the viscosity is effective to substantially uniformly deliver the composition to skin when the pad is wiped on the skin.

22. (New) The system of claim 19 wherein the benzoyl peroxide comprises particles of less than about 50 microns.

23. (New) The system of claim 19 wherein the active ingredient comprises particles of about 10 to about 150 microns.
24. (New) The system of claim 19 wherein the composition is an oil-in-water emulsion.
25. (New) The system of claim 19 wherein the composition is a water-in-oil emulsion.
26. (New) The system of claim 19 wherein the composition has a viscosity of about 500 to about 9000 cps measured on a Brookfield viscometer LVT model at about 27°C for 60 seconds and a spindle set for 30 rpm.
27. (New) The system of claim 19 wherein the composition has a viscosity of about 2000 cps to about 3000 cps measured on a Brookfield viscometer LVT model at about 27°C for 60 seconds and a spindle set for 30 rpm.
28. (New) The system of claim 19 wherein the composition has a viscosity of about 500 to about 10,000 cps measured on a Brookfield viscometer RVT model with spindle #4 at 20 rpm for 60 seconds at 25°C±1°C.
29. (New) The system of claim 19 wherein the composition has a viscosity of about 1900 to about 7,000 cps measured on a Brookfield viscometer RVT model with spindle #4 at 20 rpm for 60 seconds at 25°C±1°C.
30. (New) The system of claim 19 wherein the composition has a viscosity of about 4500 to about 6,500 cps measured on a Brookfield viscometer RVT model with spindle #4 at 20 rpm for 60 seconds at 25°C±1°C.
31. (New) The system of claim 19 wherein the pad comprises one or more woven materials.
32. (New) The system of claim 19 wherein the pad comprises one or more non-woven materials.

33. (New) The system of claim 19 wherein the container comprises a material comprised of metal substantially coated with one or more plastics on at least one surface, and one sheet of the material is heat sealed to a second sheet of the material, and the heat sealed materials contain the pad and the composition without leaking.